

L 20934-66 EWT(1)/EWA(h) GG

ACC NR: AP6002523

SOURCE CODE: UR/0286/65/000/023/0031/0031

AUTHORS: Ettinger, Ye. L.; Bernshteyn, I. Ya.

33
B

ORG: none

TITLE: A noncontact switching device, ²⁵ Class 21, No. 176627

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 31

TOPIC TAGS: switching circuit, circuit reliability

ABSTRACT: This Author Certificate presents a noncontact switching device for a frequency converter using transistors. The transistors are connected in an anti-parallel or cross circuit. The device is made with semiconductor triodes controlled from current detectors. To simplify the circuit and to increase its reliability, the device is made in the form of a balanced trigger with a delay line connected to the output of the trigger. This delay line is made with transistors. The control of the trigger is provided by the current detectors which are saturated transformers with cores of material with a rectangular hysteresis loop.

SUB CODE: 09/ SUBM DATE: 26Mar64

Card 1/1 FW

UDC: 621.314.27.066.63

2

STUPAR, Z.

Structure and color of oak logs for veneer. p. 4. (DRVA INDUSTRIJA,
Vol. 4, no. 11/12, Nov./Dec. 1953, Zagreb, Yugoslavia)

SO: Monthly list of East European Accessions, (SEAL), LC, Vol. 4, no. 1
Jan. 1955, Uncl.

ETTINDER, Z.

ETTINDER, Z. Visit to the forest products industry of the United States. p. 262.

Vol. 79, no. 7/8, July/Aug. 1955

SUMARSKI
Zagreb, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4, April 1956

ETTL, H. : JAVORNICKY, P. ; PERNIAN, J.

Algae in the peat bogs and small ponds and crddks of the Horni Kvilda area in the Sumava Mountains.

p. 161 (Ochrana Prirody) Vol. 12, No. 6, Aug. 1957: Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. - Vol. 7, No. 1, Jan. 1958

ETTIER, Zdenek, ins.

New methods of measuring cable deficiencies in distribution lines.
Energetika Cz 11 no.8:386-388 Ag '61.

Al, Cu, and Fe in the presence of Zn.
quires corrections. With Cu, Ni, and Fe measurements at
2 wave lengths and simultaneous equations are sufficient.
For Zn a dilu technique is required. With the corrections,
errors are reduced to 3%. The methods are applied to
analysis of electrodes from vacuum tubes. K. G. Stang.

Ettre, L.

Problems of processing domestic tar - A hazai katanyfeldolgozas kerdesei
by L. Ettre. (Journal of the Hungarian Chemical Society - Magyar Kemikusok
Lapja - Volume VI, No. 4, pp. 100-113, April 1951)

The Veszprei branch of the Society of Hungarian Chemists held a symposium, in February 1951, on the problems of working up tar. In his opening address J. Varga, academician, discussed the question of synthetic motor fuels and proposed that the newly erected carbonizing plants should manufacture tar by means of fractional condensation. On the basis of the lectures and contributions the symposium suggested the compilation of an index of Hungarian tars giving qualitative and quantitative data. The manufacture of synthetic motor fuels, raising the production of phenol including the purification, respectively processing of gas streams containing benzene, the desulphurization of gases and the utilization of pitch were reported as the central problems. In order to have the tar processing industry it is necessary to conduct distillation experiments with domestic coals in the various types of apparatuses so that the best technological process may be determined for a given type of coal. The proper utilization of the by-products to result from a more highly developed tar processing industry must be planned in advance.

gm

(2)
3 Fuel
31. The influence of the circumstances of formation of peat tar on the composition of the tar. - *A Magyar Kémiai Társaság Közleményei, Budapesti Állami Egyetem Kémiai Intézete* - L. Horváth and L. Elter. *Journal of the Hungarian Chemical Society - Magyar Kémikusok Lapja* - Vol. 8, 1933, No. 4, pp. 102-109, 3 figs., 7 tabs.

A study has been made on the composition of tar obtained by the producer or the low-temperature distillation processes from the same peat, using the distillation and the solvent (rational) methods for analyses for the purpose of gathering scientific data on the secondary processes of pyrolysis. It was found that (a) the tar produced by the low-temperature distillation process, using flush gas, contains large quantities of unstable compounds of high molecular weight which decompose partly to lower molecular weight hydrocarbons upon further distillation; (b) the tar produced by low-temperature distillation contains only small quantities of phenol, pyridine, methyl and dimethyl pyridine compounds; (c) during the secondary pyrolysis of tar in the producer process not only the asphaltic substances but at the same time the homologues of phenol and pyridine are decomposed yielding considerable quantities of phenol, pyridine and low molecular weight homologues of the latter. L. H.

ETRE, I.

ETRE, I. German exhibition of synthetic materials and lessons from it. p. 373.

Vol. 10, No. 12, Dec. 1955.

MAGYAR KEMIKUSOK LAPJA.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

Analysis of oxidized cathodes (in electronic tubes) by flame photometry. János Adam, László Fűz, György Gergely, and Péter J. Váradi (Tábori Kémiai Intézet, Budapest). Magyar Kém. Folyóirat 62, 223-M (1958). Cathodes of electronic tubes consist of W or Ni wire coated with oxides of Ba, Sr, and Ca. By flame photometric analysis (cf. *ibid.* 61, 182 (1955)) these ingredients can be quant. detd. from 10 mm. length of cathode wire. Measurements were made for Ba at 4834, for Sr at 4807, and for Ca at 4228 Å. Parallel exams. agreed to within 2-3%; sensitivity was high, enabling accurate detn. of 5 μ material. The method is suitable for rapid quality control in electronic tube cathode manuf. G. J. Remy

ETRE, I.

ETRE, I. Unparalleled development of the industry of synthetic
materials. p. 50.

Vol. 115, No. 1, Jan 1956.

TECHNICAL SCIENCE

SCIENCE

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

ETURSKA, M.

A case of benign leptospirosis with fatal outcome. Suvrem.med.,
Sofia no.9/10:177-180 '59.

1. Iz Gradska bolnitsa - St. Zagora. Glaven lekar: St. Dragnev.
(LEPTOSPIROSIS case reports)

ETUS, N. G.

PA 162F31

USSR/Electricity - Distribution Equipment Jul 50
Literature

"Review of P. V. Kuznetsov's and V. S. Kondakhchan's
'Handbook on the Installation of Distribution Equip-
ment,'" N. G. Etus, S. M. Yudilevich, Engineers

"Elek Stants" No 7, pp 62-63

Book was written to deal with those aspects of elec-
trical installation not covered in M. D. Sukhovol'-
skiy's handbook (Stroyizdat, 1947, 2d Ed 1949). Re-
view presents number of criticisms in detail and com-
plains of inaccuracies and omissions, but concludes

162F31

USSR/Electricity - Distribution Jul 50
Equipment (Contd)

that when these have rectified book will be
suitable for general use.

162F31

ETVERK, I

Pine bark blister in the Sagadi forest district. p.434

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Sanitarnych Ogrzewnictwa i Garownictwa) Warszawa, Poland
Vol.13, no.9, Sept. 1958

Monthly list of East European Accession (EEAI) LC, Vol. 9, no.2, Feb. 1960

Uncl.

ETVERK, R. E.

15 (2)

AUTHORS:

Busev, L. I., Gorshkov, Z. S., 80/71-59-9-4/16
Matveyev, G. L., Kariase, E. M., Evert, R. E.
Attempt to Organize the Production of Electro-Insulators in
the Yarkhadi Works

TITLE:

PERIODICAL:

Steklo i keramika, 1959, Nr 9, 99-16 - 20 (US21)

ABSTRACT:

A great amount of experimental work has been carried out during the last 10 years to create new designs of insulators made of glass with low alkali content, of the type 13 V. As seen from Figure 1, the 13 V-glass possesses a sufficiently great temperature range to make the manufacture of products by various methods possible. The Vsesoyuznyy Elektrotekhnicheskii Institut (All-Union Electrotechnical Institute), and the Institut Steklo (Glass Institute) worked out various designs of glass insulators, and the experimental production of the glass insulator types 13 V-2, 13 V-3 and 13 V-10 was organized. The Glass Institute and SPIN of the Grel sovarkhas have worked out a mechanical conveyor-line production of the insulators. At the beginning of 1959 it was decided to start

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the industrial production of insulators made from 13V-glass at the Yarkhadi works in Astoria. The cross sections of the furnace used are shown in figures 2 and 3. The chemical composition of the raw materials used is shown in a table. Furthermore, the melting of the glass 13V, the pressing of the insulators, and the tempering of the products are shown in figures 4, 5 and 6. The quality control of the products is shown in figure 7. The quality control of the insulators is carried out by a polarimeter and a test on thermal stability. The insulators 13V-3 and 13V-10 are at present being mass-produced at the Yarkhadi works. There are 4 figures and 1 table.

Card 2/2

L 17635-66 EWP(j) RM

ACC NR: AT 6009210

SOURCE CODE: HU/2502/65/043/001/0053/0061

AUTHOR: Otvos, Laszlo--Etvesh, L.; Dutka, Ferenc; Tudos, Helga--Tyudesh, Kh. 33

ORG: Central Research Institute for Chemistry, Hungarian Academy of Sciences, Bt/
Budapest

TITLE: Investigations with radioactive acetic anhydride. Part 3: Examination of the acyl group exchange reactions of carboxylic acid derivatives with acetic anhydride

SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 43, no. 1, 1965, 53-61

TOPIC TAGS: acetic anhydride, tracer study, carbon, alcohol, acetate, amine, pyridine, ester, chemical reaction

ABSTRACT: Acetates of se"
condary, primary, and tertiary alcohols and N-acetylated amines were treated with C-14 labeled acetic anhydride in the presence of pyridine or of aluminum chloride. The esters of tertiary alcohols and also diacyl amines were shown to undergo an acyl exchange under these conditions with the anhydride by incorporation of radioactive carbon. The mechanism of the process was discussed. Orig. art. has: 4 figures and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 015

ETZLER, L.

[illegible]

224

$$\frac{1}{11}$$

EUFEMIUSZ, H.

POLAND/Human and Animal Physiology - Action of Physical Factors. T-13

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32345

Author : Herman Eufemiusz

Inst :

Title : Radioactive Isotopes in Neurology and Neurosurgery.

Orig Pub : Postepy neurol., neurochirurg. i psychiatrii, 1956, 2,
5-34.

Abstract : No abstract.

Card 1/1

USSR/Chemistry - Recorders

FD-1553

Card 1/1 : Pub. 50-10/25

Author : Eufer, D. I.

Title : ~~XXXXXXXXXXXXXXXXXXXX~~ The trimming of graph paper for circular recorder diagrams

Periodical : Khim. prom., No 8, pp 490-91 (42-43), Dec 1954

Abstract : In view of the fact that only 100 sheets of trimmed circular graph paper are supplied with each automatic recorder in the USSR, the users of recorders are compelled to trim rectangular sheets in order to obtain graph paper of the required circular shape. At the enterprise with which the author is connected, a machine to cut around the printed circle of graph paper and another to punch a hole in the middle of the circle were developed. These machines eliminate manual trimming. The first machine was adopted as standard by the Main Administration of the Rubber Industry. Two figures.

Institution :

Submitted :

KITAYGORODSKAYA, O.D., professor; ~~EUFER, S.G.~~; BOSIK, R.N.; GEL'MAN, A.S.;
ROZANOVA, A.M.; KREMDER, A.S.

Use of diathermia in the compound therapy of pneumonia in children.
Pediatria 39 no.1:74-75 Ja-F '56. (MLRA 10:1)
(PNEUMONIA, ther.
diathermy, in child.)
(DIATHERMY, in various dis.
pneumonia in child.)

EUFER, S. T.

33543

Opyt Primeneniya Parafinoterapii Pri Seroznom Ekssudativnom Plevrite. Problemy Tuberkuleza, 1949, No 5, c. 60-61

SO: Letopis' Zhurnal'nykh Statey, Vol 45, Moskva, 1949

EUFROSIN, C.

EUFROSIN, C., Apparatus for measurement of the dip of the stratum from the samples extracted from wells. p. 387.

Vol. 7, no. 8, August 1956

REVISTA MINELOR

TECHNOLOGY

Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

EUGEN, Angelescu, Dr.

Surgery of the Cushing syndrome. Orv. hetil. 99 no.19:626-629 11 May 58.

1. A Roman Nepkoztarsasag Endokrinologiai Intezete Bukarest, (igazgato: prof. C. I. Parhon dr. akadémikus) Sebészeti Osztályának (vezeto: Eugen Angelescu dr.) kozlemenye..

(CUSHING SYNDROME, surg.
(Hun))

200.13.
EVEN, S.

How does one respond to the trust of workers?

P. L (CONSTRUCTORUL) (Bucuresti, Rumania) Vol. 9, No. 802, Sept. 1957

30: Monthly Index of East European Accessions (IEAI) C VOL. 7, No. 5. 1958

EUGENIDE, C.

EUGENIDE, C. Use of explosive materials in extracting petroleum. p. 505.

Vol. 6, no. 10, Oct. 1955
Rumanian-Soviet friendship
Bucuresti, Rumania

So: Eastern European Accession Vol. 5 No. 4 April 1956

NICOARA, S., dr.; BUTOIANU, Elena, dr.; TAIGAR, Steluta, dr.;
EUGENIU, A., preparator

Clinical and hematological aspects of chronic benzene poisoning. Med. intern. 15 no.8:979-986 Ag '63.

1. Lucrare efectuata la Clinica de hematologie si Centrul de hematologie, Bucuresti (director: prof. C.T. Nicolau).
(BENZENE) (OCCUPATIONAL DISEASES)

NICOLAU, C.T., prof.; NICOARA, S., dr.; POPESCU, E.R., conf.; EUGENIU, A., dr.

Method of enriching cover-glass blood smears with leukocytes and thrombocytes. Med. intern. 16 no.1:117-124 Ja'64.

1. Lucrare efectuata la Centrul de hematologie, Bucuresti (director: prof. C.T.Nicolau , membru corespondent al Academiei R.P.R.).

*

SAPINSKI, Wlodzimierz; EULENFELD, Irena

A case of ~~van Bogaert- Bertrand~~ encephalopathia spongiosa.
Pediatr. Pol. 39 no.3:323-326 Mr'64.

1. Z Kolejowego Szpitala Dziecięcego w w Ostrowie Wlkp.;
dyrektor: dr.med. W.Sapinski.

*

EULENFELD, Irena; DUDZINSKA, Henryka; GRZESKOWIAK, Urszula

Perinatal mortality according to data of the department of
obstetrics in Ostrow Wielkopolski in 1957-1962. Zdrow.
publiczne 7/8:273-278 J1-Ag '65.

1. Z Kolejowego Szpitala Dziecięcego w Ostrowie Wielkopolskim
(Dyrektor: dr. med. W. Sapinski).

EULER, H.

Influence of ascorbic acid and other reductones present in plants. p. 218.

PRYMSL, POTRAVIN. Praha, Czechoslovakia, Vol. 10, no. 4, April 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.
Uncl.

EULER, Odon, Dr.

Significance of silicosis in the practice of the county tuberculosis dispensary in Salgoterjan. Nepegezségügy 38 no.6:150-153 June 57.

1. Közlemény a Nógrád megyei tanács tudóbeteleggondozó intézetétől
(vezető-főorvos: Euler Odon dr.)
(SILICOSIS, statist.
in mining districts in Hungary (Hun))

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;
DAN, F.; IFTIMOVICI, R.

Study of immunity after vaccination against foot-and-mouth disease.
Stud. cercet. inframicrobiol. 12:385-397 Supplement '61.
(FOOT-AND-MOUTH DISEASE: immunology)
(CATTLE diseases

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;
DAN, F.; IFTIMOVICI, R.; ANASTASIU, I., asistent tehnic; FLOREA, A.,
asistent tehnic

On the immunity following the antiaphthous vaccination. Studii cerc
inframicrobiol Special issue-supplement to 12:385-397 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul
de viroze animale si Institutul de seruri si vaccinuri Pasteur,
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (IMMUNITY)

POPOVICI, I.; VIOR, C.; EUSTAFIEVICI, Vl.

Standardization of tuberculins studied on sheep. Studii cerc
biol anim 14 no.4:447-460 '62.

1. Membru corespondent al Academiei R.P.R. (for Popovici).

EUSTATZIU, G.

MUSTATZIU, G.; SCHREIBER, H.; LEVINTER-BERTHEIL, R.; PREDOVICIU,
F.; CHIRBESCU, M.

Tuberculostatic effect of isonicotinoylhydrazonopyruvic acid,
isonicotinoylhydrazonooxalacetic acid, isonicotinoylhydrazono-3-
mercaptopyruvic acid, isonicotinoylhydrazono-3-bromopyruvic acid,
isonicotinoylhydrazono-2-oxoglutaric acid and isonicotinoylhydraz-
onolevulinic acid. Bul. stiint., sect. med. 7 no.2:564-566 Apr-June
55.

(HYDRAZINE, derivatives
isonicotinoylhydrazono derivatives of ketone acids, eff.
on *Mycobacterium* species)
(MYCOBACTERIUM, eff. of drugs on
isonicotinoylhydrazono derivatives of ketone acids)
(KETONE ACIDS, eff.
isonicotinoylhydrazono derivatives, on *Mycobacterium*
species)

EUSTATZIOU, G.; EUSTATZIOU, Silvia; MEITERT, Eugenia; ANTOHI, Maria;
BOGDANESCU Viorica

Research on the phage-bacterial systems in saprophytic and
pathogenic Mycobacteria. Arch. Roum. path. exp. microbiol. 20
no.3:461-469 S '61.

Travail de l'Institut "Dr. I. Cantacuzino" Service des Cultures
~~Microbiennes.~~
(MYCOBACTERIUM) (BACTERIOPHAGE)

EUSTATZIOU, Silvia; EUSTATZIOU, G.; ANTOHI, Maria; HORODNICEANU, Thea;
RUSU, V.; ALEXANDRESCO, A.

Contribution to the study of the biology of Klebsiellae. IV.
Serological typing; relations between the physiological reactions,
virulence, phage sensitivity and serological type. Arch. roum.
path. exp. microbiol. 21 no.1:131-142 Mr '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" --- Service des Cultures
Microbiennes et du Laboratoire de Bacteriologie de la Section de
l'Institut Dr. I. Cantacuzino de l'Hopital de Colentina.
(KLEBSIELLA)

EUSTATZIOU, G.; EUSTATZIOU, Silvia; MEITERT, Eugenia; ANTONI, Maria;
BOGDANESCO, Viorica

Research on the phago-bacterial systems in saprophytic and pathogenic mycobacteria. Relation of the phago-bacterial systems to the taxonomy of atypical and saprophytic Mycobacterium hominis and Mycobacterium avium. Arch. roum. path. exp. microbiol. 21 no.2:255-261 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" -- Centre National de Bacteriophages-References.

(MYCOBACTERIUM) (MYCOBACTERIOPHAGES)
(BACTERIOPHAGE TYPING)

EUSTATZIOU, Silvia; EUSTATZIOU, G.; ANTOHI, Maria

Phage-bacteria systems and taxonomy of Klebsiellae. Arch. roum.
path. exp. microbiol. 21 no.2:397-400 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Centre National de
Bacteriophages — References.
(KLEBSIELLA) (BACTERIOPHAGE TYPING)

EUSTATZIDU, G.; EUSTATZIOU, Silvia; MEITERT, Eugenia; ANTOHI, Maria;
BOGDANESCU Viorica

Research on the phage-bacterial systems in saprophytic and
pathogenic Mycobacteria. Arch. Roum. path. exp. micribiol. 20
no.3:461-469 S '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" Service des Cultures
~~Microbiennes.~~
(MYCOBACTERIUM) (BACTERIOPHAGE)

EUSTATZIOU, Silvia; EUSTATZIOU, G.; ANTOHI, Maria; HORODNICEANU, Thea;
RUSU, V.; ALEXANDRESCO, A.

Contribution to the study of the biology of Klebsiellae. IV.
Serological typing; relations between the physiological reactions,
virulence, phage sensitivity and serological type. Arch. roum.
path. exp. microbiol. 21 no.1:131-142 Mr '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Service des Cultures
Microbiennes et du Laboratoire de Bacteriologie de la Section de
l'Institut Dr. I. Cantacuzino de l'Hopital de Colentina.
(KLEBSIELLA)

EUSTATZIOU, G.; EUSTATZIOU, Silvia; MEITERT, Eugenia; ANTONI, Maria;
BOGDANESCO, Viorica

Research on the phago-bacterial systems in saprophytic and pathogenic mycobacteria. Relation of the phago-bacterial systems to the taxonomy of atypical and saprophytic Mycobacterium hominis and Mycobacterium avium. Arch. roum. path. exp. microbiol. 21 no.2:255-261 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Centre National
de Bacteriophages-References.
 (MYCOBACTERIUM) (MYCOBACTERIOPHAGES)
 (BACTERIOPHAGE TYPING)

EUSTATZIOU, Silvia; EUSTATZIOU, G.; ANTOHI, Maria

Phage-bacteria systems and toxonomy of Klebsiellae. Arch. roum.
path. exp. microbiol. 21 no.2:397-400 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Centre National de
Bacteriophages — References.
(KLEBSIELLA) (BACTERIOPHAGE TYPING)

SERGEYEVA, Z.I.; SHTERN, I.Ya.; KUZ'MINA, N.L.; ~~EUVINA, S.M.~~
Prinimali uchastiye: SPIRKINA, V.I.; SAMSONOV, V.D.; GULINKINA, I.R.

Dyeing of elastic foam polyurethan and the application of a printed
pattern to it. Plast.massy no.2:25-27 '62. (MIRA 15:2)
(Plastos) (Polyurethan)

ERTINGIS, K.; KANTSYARYAVICHYUS, A. [Kancerevicius, A.]; EVA, V.; GUDONITE, M.
[Gudonyte, M.]; VEPRENE, D. [Vebricene, B.]; EYTMANAVICHENE, N.
[Eitmanaviciene, N.]

Brief news. Trudy AN Lit. SSR. Ser. B no.3:217-235 '64.
(MIRA 18:5)

RASHKOVSKIY, S.; NORMANTAS, E.; EVA, V.; GUDONITE, M. [Gudonyte, M.]

In the Department of Physicotechnical and Mathematical Sciences.
Trudy AN Lit. SSR. Ser. B. no. 4:223-228 '65 (MIRA 19:2)

STYRIKOVICH, M.A.; MIROPOL'SKIY, Z.L.; EVA, V.K.

Critical boiling as affected by local rises of heat flows along
the channel. Dokl.AN SSSR 145 no.1:93-96 J1 '62. (MIRA 15:7)

1. Energeticheskiy institut imeni G.M.Krzhizhanovskogo.
2. Chlen-korrespondent AN SSSR (for Styrikovich).
(Ebullition)

ACCESSION NR: AP4017966

S/0236/63/000/004/0089/0094

AUTHOR: Eva, V. K.

TITLE: Effect of local rise in thermal load along pipe length upon height of critical heat flows in a forced movement of a steam-water mixture

SOURCE: AN LitSSR. Trudy*, Seriya B, no. 4, 1963, 89-94

TOPIC TAGS: thermodynamics, critical heat flow, temperature flare-up,
temperature rise, steam movement, steam water
mixture

ABSTRACT: This is a discussion on the above subject based on materials published in the USSR. They concern abrupt local rise (flareup) of temperature with specific heat flow, q , smoothly tapering off along the channel. The result of this analysis is the conclusion that a rise of critical specific heat flow, q_{kp} , as compared with data for uniform heating, takes place only if there are zones with markedly different q , situated closely one to another. The amount of q_{cr} .

Card 1/2

ACCESSION NR: AP4017966

when heating is nonuniform along the pipe and $x \neq 0$, (x = steam content by wt. in pipe) is determined by nonuniformity parameters and is not characterized by average q values proportional to the length of the channel. Flare q exercises an influence along the pipe on the stability of the water-steam mixture and, under certain conditions, it can develop flow pulsations. Nonpulsating q_{cr} realized with double flare q along the pipe agrees (with an accuracy of $\pm 17\%$) with the equation $q_{cr} = 9850 \cdot W_g^{1/4} (1-x)^{1/4} (l_1/d)^{-1/4} \cdot A^{-1/4}$, where W_g is the gravimetric velocity in $\text{n. m}^{-2} \cdot \text{sec}^{-1}$; l_1 = length of fluid flare in mm; l , d = length and diameter of pipe in mm; $A = q_{cr}^2 / q_{sup}^2 \gg 100$. Orig. art. has: 2 figures, 6 formulas, no tables.

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR (Institute of Power Engineering and Electrotechnics, AN, LitSSR)

SUBMITTED: 08May63

DATE ACQ: 13Mar64

ENCL: 00

SUB CODE: PH

NO REF SOV: 008

OTHER: 000

Card 2/2

J

Country : USSR
Category: Soil Science. Soil Genesis and Geography.
Abs Jour: RZhBiol., No 14, 1958, No 63017
Author : Eval'd, E.
Inst : -
Title : Some Basic Types of Forest Soils and Their Names
in Germany.
Orig Pub: Pochvovedeniye, 1956, No 9, 19-33

Abstract: The most widespread types of soils in GDR territory are brown, podzol and gleyey soils. There are soils related to brown or brown types in which processes of intensive weathering cause the formation of clayey minerals and the liberation of Fe without noticeable transfer along the

Card : 1/3

Country : USSR
Category: Soil Science. Soil Genesis and Geography.

J

Abs Jour: RZhBiol., No 14, 1958, No 63017

profile of sesquioxides. Together with the burozems, rich in bases, are found crypto-podzolized soils, which are distinguished by a high exchange acidity. In northeastern regions of GDR in sandy deposits, podzolized burozems and podzol soils with and without an upper humus horizon are distributed. On the northern slopes of dunes under forest are found humus-ferric podzols, and on the southern slopes, weakly and moderately podzolized soils. Pseudogleyey soils are formed under conditions of variable humidity, often in two-part deposits. Soils which are intermediate between burozems and pseudogleyey soils are also found.

Card : 2/3

J-1

MELIKHOVA, I.V.; MERKULOVA, M.S.; EVAL'D, G.

Coprecipitation of radioelements involving the formation of solid
solutions with limited miscibility. Radiokhimiia 1 no.1:3-10 '59.
(MIRA 12:4)

(Radioisotopes) (Precipitation (Chemistry))
(Systems(Chemistry))

5(4)

AUTHORS:

Melikhov, I. V., Merkulova, M. S.,
Eval'd, G.

SOV/20-125-4-44/74

TITLE:

The General Laws of the Co-precipitation of Micro-impurities
During the Growth of Crystals (Obshchiye zakonomernosti
soosazhdeniya mikroprimesei pri roste kristallov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 4, pp 845-847
(USSR)

ABSTRACT:

At present such crystals are widely being used in industry and practice as contain small quantities of a non-isomorphous impurity. Such impurities in most cases form solid solutions (with limited mixing possibility) with the crystal. The authors endeavored to determine the rules of the distribution of impurities in the crystals of the microcomponents with which the impurities form a solid solution with limited mixing possibility and in the oversaturated solution (undercooled melt). The authors in this connection investigated the mechanism of the co-precipitation of the impurities with crystals growing in an oversaturated solution in the case of an intense mixing of the liquid phase. The first stage of this co-precipitation is interaction between the impurity and the separating surface

Card 1/3

The General Laws of the Co-precipitation of
Micro-impurities During the Growth of Crystals

SOV/20-125-4-44/74

of the phases. An expression is derived step by step for the concentration of the impurity in the surface mono-layer. For the purpose of experimental confirmation of the derived relations the co-precipitation of small quantities of $PbCl_2$ and $CdCl_2$ with NaCl-crystals is investigated. In these investigations the oversaturation of the solution was isothermally eliminated. The authors investigated the distribution of Pb- and Cd-isotopes in the crystals and the oversaturated solution of NaCl as a function of the concentration of the microcomponent in the liquid phase. The quantity of micro-components in the solid and in the liquid phase was determined by the method of radioactive indicators. The results obtained by these experiments quantitatively confirm the theoretically derived relations and permit the following conclusions to be drawn: 1) The rate of the exchange between the surface and the solution on the front of crystallization is considerably higher than that of the diffusion of the components by the surface-diffusion layer. 2) The quantity of the impurity going over into the solid phase during the growth of the

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The General Laws of the Co-precipitation of
Micro-impurities During the Growth of Crystals

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crystals and also the distribution of the impurity in the volume of the crystals of the precipitation may be determined from the formulas derived in the present investigation. There are 2 figures and 5 references, 1 of which is Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: December 29, 1958 , by V. I. Spitsyn, Academician

SUBMITTED: December 24, 1958

Card 3/3

EVAL'D, V. V.

Building materials; characteristics, testing and preparation Izd. 10., perer.
i dop. (Petrograd) Gos. tekhn. izd-vo, 1923. 175 p. (B. Ser. Inzhenerno-
promyshlennaia biblioteka no. III-2)

Yudkin TH435.E94

ЭВАЛ'Д, Ye.A., inzhener.

~~Секрет~~

New method of resinifying hemp yarn. Tekst.prom.14 no.1:30-31

Ja '54.

(MLRA 7:2)

(Hemp)

EVAL'D, Ye.A.

~~Reconstruction of the mechanism for turning the frames of a ROW-~~
216-L roving machine. Tekst. prom. 14 no.5:49 My '54. (MLRA 7:6)
(Spinning machinery)

EVAL'D, Ye.A., inzhener

Using electric cars as traction engines. Mekh. trud. rab. 9
no.5:42 My '55. (MIRA 8:7)
(Traction engines) (Industrial electric trucks)

LEVALIBOVA, E. I., MUKVOZ, L. G., KORNEYENKO, E. I., BEZFAMILNAYA, P. S.,
LOY, T. D., KORABLEV, N. G., GELLER, I. YU., VISHNEVSKAYA, S. M. and
SHEVCHUK, M. K.

"The Epidemiology and Prophylaxis of Helminthiasis in the Zone Affecting the Construction of the Kakhovka Hydroelectric Power Station, the Water Reservoir, and the Verkhne-Ingulets Canal."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

EVANG, K.

"Public health service, its scope and its position in the Central Government." p. 347
(NARODNO ZDRAVLJE, Vol. 8, no. 11/12, 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

FOLDES, Peter, dr. (Budapest, XI., Muegyetem rakpart 3); EVANGELIDI, I.;
CHARNI, O.

Study on the efficiency fractionating column with downcomer
grid plates. Pt.1. Periodica polytechn chem 8 no.3:197-204
'64.

1. Kafedra protsessov i apparatov khim. promyshlennosti,
Politekhnikheskiy Institut, Budapesht. Submitted March 14,
1964.

FOLDES, Peter, dr. (Budapest, XI., Muegyetem rakpart 3); EVANGELIDI, I.

Study on the efficiency fractionating column with downcomer grid plates. Pt.2. Periodica polytechn chem 8 no.3:205-211 '64.

1. Kafedra protsessov i apparatov khim. promyshlennosti, Politekhnikheskiy institut, Budapesht. Submitted March 14, 1964.

EVANGULOV, M. G.

Foundry work Moskva, Voprosy truda, 1920. 97 p. (Bezopasnost' truda.
Monografii po tekhnike bezopasnosti, vyp. 5)

Yudkin TS230.E83

EVANGULOV, MIKHAIL GEORG⁴IEVICH .---

Liteinoe delo. Moskva, "Voprosy truda", 1938. 97 p. (Bezopasnost' truda. Monografii po tekhnike beopasnosti, pod oobshchei red. A.A. Pressa, Vyp.5.)

Founding. (Safety measures. Monographs on accident prevention.)

DLC: Unclass.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

EVANGULOV, MIKHAIL GEORGIEVICH and IU. A. SMIRNOV.

Avtomatizatsiia liteinogo proizvodstva. Moskva, AN SSSR, 1940. 111 p. illus.

Automatization of founding production.

DLC: TS230.E9

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

ELMOVICS, G.; LACTON, J.

An effective method for isolation of anthrax phages. p. 405.

ACTA MICROBIOLOGICA. (Magyar Tudomanyos Akademia) Budapest, Hungary, Vol. 5, no. 4, 1958. In English.

Monthly list of East European Accessions, (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

ACC NR: AP6013478

(A)

SOURCE CODE: UR/0345/65/000/006/0014/0016

AUTHOR: Turchinskaya, Ye. P.; Evanovskaya, V. P.; Muzychenko, G. I.; Pavlov, A. I.

ORG: none

TITLE: Machine for thermally processing straight sections of thermoplastic fabric

SOURCE: Shveytnaya promyshlennost', no. 6, 1965, 14-16

TOPIC TAGS: thermoplastic material, weld heat treatment, sealing device, textile industry machinery

ABSTRACT: A simple device for heat sealing sections of thermoplastic fabric was tested at the Department of Clothing Technology of the Kiev Technological Institute of Light Industry. The electrically grounded device comprises nichrome wire elements connected to an autotransformer providing 0-240 v and adjustably positioned on a counterbalanced frame so that by closing the frame the heated elements will come in contact with the fabric to be processed. The fabric is clamped in position. Capran fabric was sealed by heating with the nichrome filament to 500-600°C for 0.5-1 sec. The nichrome filament was cleaned by increasing voltage to burn off any plastic material; an exhaust system is required to remove the gases. Similar equipment, connected in parallel and semiautomatically controlled, was used in the Kiev Sewing Shop im. Smirnova-Iastochkina. The savings effected by finishing pieces by heat sealing instead of sewing are discussed. Orig. art. has: 3 figures.

SUB CODE: 11, 13 / SUBM DATE: none

UDC: 687.053.7:677.4

EVANS, N.A.

ZHDANOV, I.S.; EVANS, N.A.

Results of a hygienic examination of newly build dwellings in
Komsomol'sk-na-Amure. Gig. i san. 21 no.11:65-67 N '56. (MLRA 10:2)

1. Gosudarstvennyy sanitarnyy inspektor (for Zhdanov, Evans)
 (HOUSING
 modern, hygienic aspects in Russia)
 (HYGIENE
 hygienic aspects of modern housing in Russia)

P/014/61/040/011/001/002
D204/D301

AUTHOR: Evanžin, Rudolf

TITLE: The manufacture of rubber in Czechoslovakia

PERIODICAL: Przemys \check{L} chemiczny, v. 40, no. 11, 1961, 618-619

TEXT: A short description of the present state and future development of the production of various types of caoutchouc in Czechoslovakia. Erection of a manufacturing plant which will produce not less than 25,000 tons p.a. beginning in 1963 was approved in 1952. Considerable progress was made in the 1957-1960 period and construction of the factory was commenced in 1958 in Kralupy. Both ethanol and C₄ hydrocarbons will be used to obtain butadiene, the ethanol being decomposed on a catalyst similar to that employed in the USSR. The various methods of dehydrogenating tetra-carbon hydrocarbons to butadiene and their efficiency are discussed. Research is now in progress at the Kralupy plant on styrene, for producing both caoutchouc and polystyrene, to satisfy a growing demand for the latter. A ferric catalyst, first evolved at Gottwald,

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P/014/61/040/011/001/002
D204/D301

The manufacture of rubber in ...

will be used to obtain the styrene by dehydrogenation of ethyl benzene. Basic caoutchouc will be produced by the emulsion copolymerization of styrene-butadiene at 5°C, using rosin as an emulsifier, and its plasticity is to lie between 600 and 800 Defs. Purification and final finishing of the product are briefly discussed. Appreciable economies were made possible in this part of the program by the early solution of the many technological problems connected with preparing monomers and methods of polymerization. Modification of the basic type of caoutchouc with oils is envisaged, to produce materials for special purposes. It is planned to manufacture chloroprene caoutchouc in the Duslo works at Sal, by a process of improved efficiency. The manufacture of poly-isoprene caoutchouc is also being considered, but numerous difficulties are expected in production at a price comparable to that of the natural material. In conclusion the author expresses his belief that by 1963 a supply of caoutchouc will be ensured, reducing the dependence of the rubber industry on imported raw material. There are 10 references: 6 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: G. Hornoday,

Card 2/3

ACCESSION NR: AP4010233

8/0054/63/000/004/0039/0044

AUTHOR: Evarestov, R. A.

TITLE: Theoretical investigation of the M-center in alkali halide crystals. 1. Basis for a model and construction of an approximate wave function for the M-center

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, vy*p. 4, 1963, 39-44

TOPIC TAGS: M center, alkali halide crystal, wave function, M center wave function, M center model, F center, F₂ center, F₂ model, F band, M band, rigid point lattice

ABSTRACT: An F₂-model is employed to study the M-center in alkali halides. An equation for the energy of the F₂-center is derived in the form

$$E = \int \bar{\psi}_{0pt}(r_1, r_2) \left[-\frac{1}{2} \Delta_1 - \frac{1}{2} \Delta_2 - v(r_1) - v(r_2) \right] \psi_{0pt}(r_1, r_2) d\tau_1 d\tau_2 + \\ + \int \frac{|\psi_{0pt}(r_1, r_2)|^2}{r_{12}} d\tau_1 d\tau_2$$

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ACCESSION NR: AP4010233

where

$$v(r) = \sum_{p=1}^N \frac{e_p}{|r - R_p|}$$

is the energy operator of the interaction between an F_2 -center electron and a rigid point lattice from which two neighboring negative charges have been removed, and $\psi_{\text{opt}}(r_1, r_2)$ is the wave function of optical electrons. The approximate wave functions of the F_2 -centers are taken as a combination of the F-center functions. The wave function for the ground state of the F_2 -center is found to be

$$\psi_A(r_1, r_2) = N [\varphi_a(r_1) \varphi_b(r_2) \pm \varphi_a(r_2) \varphi_b(r_1)];$$

$$\varphi_a(r) = \frac{f_a(r_a)}{r_a} Y_{00}(\theta_a, \varphi_a).$$

where a and b designate anion vacancies, r_1 and r_2 electron coordinates, and N the normalizing factor. The wave function for the excited state of the F_2 -center is

$$\psi(r_1, r_2) = N [[\varphi_a(r_1) \psi_b(r_2) \pm \varphi_a(r_2) \psi_b(r_1)] \pm [\varphi_b(r_1) \psi_a(r_2) \pm \varphi_b(r_2) \psi_a(r_1)]].$$

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ACCESSION NR: AP4010233

It is shown that transitions from the ground state A_{1g} are allowed to A_{2u} , B_{1u} and B_{2u} . It is possible to express the energy of the F_2 -center in the ground and excited states through integrals of one-electron functions. "In conclusion I thank M. I. Petrashen' and I. V. Abarenkov for guidance and aid in this work. I thank M. N. Adamov for useful discussions." Orig. art. has: 1 table and 9 formulas.

ASSOCIATION: none

SUBMITTED: 08Apr63

DATE ACQ: 03Feb64

ENCL: 00

SUB CODE: PH

NO REF SOV: 005

OTHER: 021

Card 3/3

ACCESSION NR: AP4010234

S/0054/63/000/004/0045/0055

AUTHOR: Evarestov, R. A.

TITLE: Theoretical investigation of the M-center in alkali halide crystals. 2. Computation of the ground and first excited states of the M-center

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, vy*p. 4, 1963, 45-55

TOPIC TAGS: M center, M center ground state, first excited state, alkali halide, transition energy, thermal dissociation energy, F₂ center, rigid point, charge lattice

ABSTRACT: This paper contains computations based on the model presented in the author's immediately preceding paper (Vestnik LGU, no. 22, 1963). The computations are based on an F₂-model of the M-center in approximation of a rigid point charge lattice. Results of energy computations for various alkali halides are summarized in Tables 1 and 2 of the Enclosures. Transition energies from the A_{1g} to the A_{2u} state and the approximate energies of thermal dissociation of F₂ centers are given in Table 3 of the Enclosures. The calculated values of transition energies are in good agreement with frequencies in the M-band maximum. "In conclusion I

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ACCESSION NR: AP4010234

express my thanks to M. I. Petrashen' and I. V. Abarenkov for suggesting this subject, for guidance, and for aid in doing the work. I also thank M. N. Adamov for his constant interest in the work and for useful discussions. Thanks belong also to M. N. Shabrov, T. I. Malevich, and G. M. Dmitriyev for making some of the difficult computations." Orig. art. has: 5 tables and 32 formulas.

ASSOCIATION: none

SUBMITTED: 08Apr63

DATE ACQ: 03Feb64

ENCL: 03

SUB CODE: PH

NO REF SOV: 003

OTHER: 009

.. 2/12

EVARESTOV, R.A.

Origin of F(M)-bands in the absorption spectrum of alkali halide
crystals. Opt. i spektr. 16 no.2:361-362 F '64. (MIRA 17:4)

L 20674-65 EEC(b)-2/EWT(1)/T IJP(c)/SSD/AFWL/ASD(a)-5/SSD(c)/AS(mp)-2/
AFMD(t)/ESD(gs)/ESD(t) S/0054/64/000/004/0037/0044
ACCESSION NR: AP5001580

AUTHOR: Evarestov, R. A. B

TITLE: Calculation of the optical properties of color M-centers in alkali-halide crystals

SOURCE: Leningrad. Universitet. Vestnik. Seriya fiziki i khimii, no. 4, 1964, 37-44

TOPIC TAGS: M center, color center, alkali halide crystal, optical property, absorption band, emission band, band width, luminescence

ABSTRACT: This is an extension of an earlier theoretical analysis of the F₂ model of the M center (Vestnik LGU No. 22, 39 and 45, 1963; Optika i spektroskopiya v. 16, 361, 1964). Whereas the earlier calculations were made in the approximation of a pointlike rigid lattice, with the crystal ions regarded as stationary, it is pointed out that many properties of the M-center spectrum, such as the finite width of the absorption and emission band, the Stokes shift, and others cannot be explained without considering the motion of the ions. A model is used in which the M-center is represented by two vacancies in the neighboring

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L 20674-65

ACCESSION NR: AP5001580

halide sites, on which two electrons are localized. The electron charge distribution is calculated by assuming the center to be surrounded by elliptical layers of ions, with 90% of the total charge concentrated in the first three or four layers. The final expression derived for the adiabatic potential consists of the value obtained in the earlier calculations, modified by the addition of a term that allows for the change in the Coulomb interaction between the moving point-like ions, and terms corresponding to the change in energy due to the ion motion. Specific calculations were made for the KCl crystal and yield values for the absorption maxima, the maxima of the luminescence, the half width of the M band, and the Stokes shift which are in good agreement with the corresponding experimental data. "I thank M. I. Petrashen' for guidance and continuous interest in the work, M. N. Adamov for useful discussions, and computers G. M. Dmitriyev and Yu. A. Fomichev for help with the calculations." Orig. art. has: 1 figure, 7 formulas, and 2 tables.

ASSOCIATION: None

SUBMITTED: 04May64

ENCL: 00

SUB CODE: OP, IC

NR REF SOV: 014

OTHER: 005

Card 2/2

EVARESTOV, R.A.

Calculation of the optical properties of M color centers in
alkali halide crystals. Vest. LGU 19 no. 22:37-44 '64
(MIRA 18:1)

ADAMOV, M.N.; EVARESTOV, R.A.

Calculation of single-electron three-center integrals. Zhur. strukt.
khim. 5 no.5:759-764 S-O '64 (MIRA 18:1)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.

ADAMOV, M.N.; REBANE, T.K.; EVARESTOV, R.A.

Variational estimation of values computed in the second approximation of the perturbation theory. Teoret. i eksper. khim. 1 no.5: 588-594 3-0 '65 (MIRA 19:1)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta. Submitted June 23, 1965.

EVART, G.

Upper-valve engines of "Volga" automobiles. Avt. transp. 36
no. 7:35-40 J1 '58. (MIRA 11:8)

1. Veduyushchiy konstruktor Gor'kovskogo avtozavoda.
(Automobiles--Engines)

BORISOV, V.I.; GOR, A.I.; NEVZOROV, A.M.; RYBINSKIY, D.A.; SOLOV'YEV,
V.S.; EVART, G.V.; PROSVIRNIN, A.D., red.; VASIL'YEVA, I.A.,
red.; UVAROVA, A.F., tekhn. red.

[The M-21 "Volga" automobile; construction and maintenance]
Avtomobil' M-21 "Volga"; konstruktsiia i tekhnicheskoe ob-
sluzhivanie. [By] V.I.Borisov i dr. Pod red. A.D.Prosvirni-
na. Moskva, Mashgiz, 1962. 447 p. (MIRA 15:3)

1. Glavnyy konstruktor Gor'kovskogo avtomobil'nogo zavoda (for
Prosvirnin).

(Automobiles)

L 29101-66 - EWP(j)/EWT(m) RM

ACC NR: AP6019414

SOURCE CODE: UR/0020/65/162/003/0573/0576

24
B

AUTHOR: Evdakov, V. P.; Mizrahn, L. I.; Sandalova, L. Yu.

ORG: State Scientific Research and Design Institute for the Nitrogen Industry and Products of Organic Synthesis (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza)

TITLE: Reaction between dialkylalimides of dialkylphosphoric acid and aldehydes

SOURCE: AN SSSR. Doklady, v. 162, no. 3, 1965, 573-576

TOPIC TAGS: chemical reaction, ether, phosphoric acid, aldehyde

ABSTRACT: The reaction between dialkyl ethers of the dialkylamide of phosphoric acid and aldehydes forms α -aminophosphonates. The product previously found in this reaction is due to traces of water in the reacting mixture. The reaction between the dialkylamide of dialkylphosphoric acid and heptanal in the presence of a 0.5-equimolar or equimolar amount of water gives only about half the yield of aminophosphonate, and α -oxyheptylphosphonate is formed simultaneously. This article was presented by Academician M. I. Kabachnik on 14 November 1964. Orig. art. has: 3 figures, 4 formulas and 1 table

[JPRS]

SUB CODE: 07 / SUBM DATE: 23Oct64 / ORIG REF: 008 / OTH REF: 002

Cord 1/1. CC

ACC NR: AP7003897 SOURCE CODE: GE/0030/67/019/001/0407/0415

AUTHOR: Evdokimov, I. N.; Mashkova, E. S.; Molchanov, V. A.; Odintsov, D. D.

ORG: Scientific Institute of Nuclear Physics, Moscow State University

TITLE: Dependence of the ion-electron emission coefficient on the angle of incidence

SOURCE: Physica status solidi, v. 19, no.1, 1967, 407-415

TOPIC TAGS: ion emission, electron emission, ion electron emission, incidence angle

ABSTRACT: A study was made of the dependence of the coefficient of ion-electron emission on the angle of incidence of a graphite target and polycrystalline metal (Cu, Ag, Mo, Zr, W, Bi) targets, bombarded with inert gas and nitrogen ions at 25--30 kev. The application of a magnetic field parallel to the axis of rotation shows that both the positive and negative ion currents to the collector are negligibly small. The emission coefficient increases with an increase in the angle of incidence

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ACC NR: AP7003897

up to about 80 to 85°. Up to a certain angle (between 36 to 81°, depending on the ion-target combination) the angular dependence may be approximated by a reciprocal cosine law; for larger angles the variation is somewhat slower. Comparisons are made with calculations based on the transparency model. Orig. art. has: 4 figures and 1 table. [Authors' abstract]

[DW]

SUB CODE: 20/SUBM DATE: 01Aug67/ORIG REF: 001/OTH REF: 011/

Card 2/2

EVDUK, R. A.

Zotkin, L.L. Evduk, R.A. I Popovkina, R.V.

33866. Vyenyera V 1948 Godu. Byullyetyen', Vsesoyuz. Astron. - Gyeodyez. O-va, No 7, 1949. G.17-21. Bibliogr: 8 Nazv.

SC: Letopis' Zhurnal'nykh Statey, Vol. 46, Moskva, 1949.

EVE, O. B.

USSR/Chemistry - Polyvinylformal
Chemistry - Synthesis

Sep 1946

"The Synthesis of Polyvinylformal in a Homogeneous Medium," S. Nushakov, O. B. Eve,
8 pp

"Zhur Prik Khim" Vol XIX, No 9

Study of the Methods of hydrolysis of the polyvinylacetate and acetalization with
formaldehyde in the acetic acid solution of the product of its hydrolysis, i.e.,
polyvinyl alcohol.

PA 13T22

EVENCHIK, E.YE

1. YEVENCHIK, YE. YE.; REZNIKOVA, L. I.

2. USSR (600)

4. Science

7. Results of educational-training work by physics teachers Pod red. L. I. Reznikova, Ye. Ye. Yevenchik, Moskya, Akad. Ped Nauk RSFSR, 1951.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953, Unclassified.

EVENCHIK, E.Ye. (g. Moskva)

Study of the subject "Heat and work." Fiz. v shkole 14 no.5:39-44
S-0 '54. (MIRA 7:9)
(Heat)

EVENCHIK, S.Ya. starshiy nauchnyy sotrudnik; RUMOVSKIY, S.I., redaktor;
PONOMAREVA, A.A., tekhnicheskii redaktor

[Current testing of students in their knowledge, skills, and
experience in physics; a methodological letter] O tekushchei
proverke znanii, umenii i navykov uchashchikhsia po fizike;
metodicheskoe pis'mo. Moskva, Gos.uchebno-pedagog.izd-vo M-va
prosv. RSFSR, 1956. 27 p. (MLA 10:10)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye shkol. 2.
Institut metodov obucheniya Akademii pedagogicheskikh nauk RSFSR
(for Evenchik)
(Physics--Study and teaching)

IVENCHIK, E.Ye.

BELOGORSKAYA, N.I.; GALININ, D.D.; GORYACHKIN, Ye.N.; GLAZYRIN, A.I.; DUBOV, A.G.;
YEVROPIN, Yu.P.; YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KRAUKLIS,
V.V.; LAVROVSKIY, K.F.; MENSUTIN, N.F.; MINCHENKOV, Ye.Ya.; NABOKOV, M.Ye.;
PRYSHKIN, A.V.; POPOV, P.I.; POKROVSKIY, A.A.; REZNIKOV, L.I.; SAKHAROV,
D.I.; SOKOLOV, I.I.; SOKOLOVA, Ye.N.; IVENCHIK, E.Ye.; YUS'KOVICH, V.F.

Sergei Nikolaevich Zharkov. [Obituary]. Fiz.v shkole 16 no.3:94-95 My-Je '56.
(Zharkov, Sergei Nikolaevich, 1883-1956) (MIRA 9:7)

EVENCHIK, E.Ye. (g. Moskva).

"Pedagogical lectures" at the Academy of Pedagogical Sciences
of the R.S.F.S.R. Fiz. v shkole 17 no.3:92-94 My-Je '57.
(Physics--Study and teaching) (MLBA 10:6)

REZNIKOV, Leonid Isaakovich; ~~EVENCHIK, Esfir' Yefimovna~~; YUS'KOVICH, Vasilii Fomich; ZNAME~~NSKIY~~, P.I., prof., retsenzent; SAKHAROV, D.I., dotsent, retsenzent; BLUDOV, M.I., retsenzent; YENOKHOVICH, A.S., starshiy nauchnyy sotrudnik, retsenzent; YAVORSKIY, B.M., prof., doktor fiz.-matem.nauk, red.; SIDOROV, N.I., red.; LAUT, V.G., tekhn.red.

[Methods of teaching physics in secondary schools] Metodika pre-podavaniia fiziki v srednei shkole. Pod red. B.M.Iavorskogo. Moskva, Izd-vo Akad.pedagog.nauk RSFSR. Vol.1. [Mechanics] Mekhanika. 1958. 286 p. (MIRA 12:9)

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(Mechanics--Study and teaching)

22(1)

SOV/47-59-2-29/31

AUTHORS: Reznikov, L.I., Evenchik, E.Ye. and Bludov, M.I.

TITLE: Foreign Physics Textbooks for Secondary Schools (Zarubezhnyye uchebniki fiziki sredney shkoly)

PERIODICAL: Fizika v shkole, 1959, Nr 2, pp 89-92 (USSR)

ABSTRACT: The authors tell of the contents of physics textbooks used in secondary schools of England, France and the USA. The article analyzes 7 French, 8 English and 2 American textbooks and gives at the same time an idea about the system of the secondary school physics course in each of these countries. In England and France physics is taught for several years, but little significance is attached to it in the USA. It is not an obligatory subject in American schools, and in the 1956/57 school year only 4.5 % of the students of the four senior classes were studying physics. Foreign textbooks lag in furnishing information on the development of the physics of the atom and atomic nucleus. Not only the number of pages used, but also the material chosen is scanty. In the USA, e.g., the production of atomic energy

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is taught, rather than the physics of the atom. The authors then deal with the contents and succession of expounding the training material in English textbooks. The article will be continued. There are 11 references, 9 of which are English, 1 American and 1 Soviet.

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22(1)

SOV/47-59-3-11/53

AUTHOR: Evenchik E.Ye., (Moscow)

TITLE: *Stimulating Students* While Imparting New
Knowledge of Physics to Them.

PERIODICAL: Fizika v shkole, 1959, Nr 3, pp 32-36 (USSR)

ABSTRACT: The author gives a number of recommendations on teaching physics. In order to get the maximum attention and interest from his pupils, a teacher must wisely combine conversation with theoretical demonstrations and visual experiments. The author stresses in particular the importance of the teacher conversing with the pupils, as this means of teaching is especially effective for stirring the pupil to develop his own thoughts and to a practical application of theory. There are 2 Soviet references.

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22(1)

SOV/47-59-3-44/53

AUTHORS: Reznikov L.I., Evenchik E.Ye., Bludov M.I., (Moscow)

TITLE: Foreign Physics Textbooks for Secondary Schools

PERIODICAL: Fizika v shkole, 1959, Nr 3, pp 98-102 (USSR)

ABSTRACT: This is a continuation of a critical review of English, French and American textbooks used for physics study at secondary schools. The present article concerns mainly French and American textbooks. The reviewed textbooks are: (French) M.Eurin et H. Guimot, Physique, 1952, Classes de Seconde, Classique A et B; M.Eurin et H. Guimot, Physique, 1952, Classes de Première, Classique A et B; M.Rurin, H. Guimot, Physique, 1953, Classe de Mathematique; I. Lamirand et M. Joyal, Physique, IIIeme classe S et M; R. Faucher, Physique, 1954; (American) D.L. Baker, R.B. Brownleef, R.W. Fuller, Elements of Physics,

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